

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	((endodontic or (root adj canal)) and (taper near (greater or larger)) and shorter).clm.	US-PGPUB	OR	OFF	2006/01/18 13:06



STIC Search Report

EIC 3700

STIC Database Tracking Number: 176929

TO: Anthony Stashick
Location: RND 9a41
Art Unit: 3728
Wednesday, January 18, 2006

Case Serial Number: 08/234290

From: Terry Solomon
Location: EIC 3700
RND 8b31
Phone: 272-4240

terrance.solomon@uspto.gov

Search Notes

No current or past litigation found involving US pat. 5897316.

Sources:

Lexis/Nexis
Questel-Orbit
Courtlink

Patent Search - Number: 5,897,316

No cases found.

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234290 (08) 5897316 April 27, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5897316

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April 27, 1999

Endodontic treatment system

REISSUE: Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.: 3732; Re. S.N. 09/845,599, (O.G. September 4, 2001)
March 29, 2004 - Reissue Application filed Ex. Gp.: 3732; Re. S.N. 10/811,796 (O.G. July 20, 2004)

APPL-NO: 234290 (08)

FILED-DATE: April 28, 1994

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LEGAL-REP: Bissell, Henry M.

(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT
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Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :

US5897316 A 19990427 [US5897316]

Title :

(A) Endodontic treatment system

Inventor(s) :

(A) BUCHANAN LEONARD STEPHEN (US)

Application Nbr :

US23429094 19940428 [1994US-0234290]

Priority Details :

US23429094 19940428 [1994US-0234290]

Intl Patent Class :

(A) A61C-005/02

EPO ECLA Class :

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ORIGINAL (O) : 433102000

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Citations :

USD250544; US-251598; USD283840; US1307446; US3908270; US4231738;
US4280808; US4299571; US4332561; US4340364; US4443193; US4518356;
US4527560; US4536159; US4538989; US4634378; US4674979; US4836780;
US4850867; US4934934; US4971556; US5017138; US5026284; US5125838;
US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A; FR2647663
A; CH291668 A; CH657981 A
Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages).

Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page).

Publication Stage :

(A) United States patent

Abstract :

An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

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Patent Number :

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Application Number :

US23429094 19940428 [1994US-0234290]

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EFFECTIVE DATE: 20010426

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EFFECTIVE DATE: 20040329

Update Code :

2004-31

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

5,897,316 A 19990427 [US5897316]

Patent Assignee :

Buchanan, Leonard Stephen

Actions :

20010426 REISSUE REQUESTED

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REISSUE REQUEST NUMBER: 09/845599

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

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20040329 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040720

REISSUE REQUEST NUMBER: 10/811796

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

Session finished: 18 JAN 2006 Time 21:19:19

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